SEQUENCE LISTING

<110> ROY, ARUN
LAVROVSKY, YAN
TYAGI, RAKESH
SONG, CHUNG
CHATTERJEE, BANDANA
CHEN, SHUO

<120> ESTROGEN RECEPTOR SITE-SPECIFIC RIBOZYMES AND USES THEREOF FOR ESTROGEN DEPENDENT TUMORS

<130> 4003.002300

<140> 10/009,420
<141> 2001-12-04

<150> PCT/US00/15243
<151> 2000-06-02

<150> 60/137,470
<151> 1999-06-04

<160> 14

<170> PatentIn version 3.0

<210> 1
<211> 22
<212> DNA
<213> ARTIFICIAL SEQUENCE

<220>
<221> misc_feature
<222> ()..()
<223> SYNTHETIC OLIGONUCLEOTIDE

<400> 1
gcctggtgtg ctccgatgaa gc 22

<210> 2
<211> 22
<212> DNA
<213> ARTIFICIAL SEQUENCE

<220>
<221> misc_feature
<222> ()..()
<223> SYNTHETIC OLIGONUCLEOTIDE

<400> 2
cctgcagtgg cttgctgaat cc 22

<210> 3
<211> 21

<212> RNA
<213> ARTIFICIAL SEQUENCE

<220>
<221> misc_feature
<222> ()..()
<223> SYNTHETIC OLIGONUCLEOTIDE

<400> 3
gaugaguccg ugaggacgaa a 21

<210> 4
<211> 1380
<212> DNA
<213> HOMO SAPIENS

<400> 4
ggagcccctg aaccgtccgc agctcaagat ccccctggag cggcccctgg gcgaggtgta 60

cctggacagc agcaagcccg ccgtgtacaa ctaccccgag ggcgccgcct acgagttcaa 120

cgccgcggcc gccgccaacg cgcaggtcta cggtcagacc ggcctccccc acggccccgg 180

gtctgaggct gcggcgttcg gctccaacgg cctgggggggt ttccccccac tcaacagcgt 240

gtctccgagc ccgctgatgc tactgcaccc gccgccgcag ctgtcgcctt tcctgcagcc 300

ccacggccag caggtgccct actacctgga gaacgagccc agcggctaca cggtgcgcga 360

ggccggcccg ccggcattct acaggccaaa ttcagataat cgacgccagg gtggcagaga 420

aagattggcc agtaccaatg acaagggaag tatggctatg gaatctgcca aggagactcg 480

ctactgtgca gtgtgcaatg actatgcttc aggctaccat tatggagtct ggtcctgtga 540

gggctgcaag gccttcttca agagaagtat tcaaggacat aacgactata tgtgtccagc 600

caccaaccag tgcaccattg ataaaaacag gaggaagagc tgccaggcct gccggctccg 660

caaatgctac gaagtgggaa tgatgaaagg tgggatacga aaagaccgaa gaggagggag 720

aatgttgaaa cacaagcgcc agagagatga tggggagggc aggggtgaag tggggtctgc 780

tggagacatg agagctgcca acctttggcc aagcccgctc atgatcaaac gctctaagaa 840

gaacagcctg gccttgtccc tgacggccga ccagatggtc agtgccttgt tggatgctga 900

gccccccata ctctattccg agtatgatcc taccagaccc ttcagtgaag cttcgatgat 960

gggcttactg accaacctgg cagacaggga gctggttcac atgatcaact gggcgaagag 1020

ggtgccaggc tttgtggatt tgaccctcca tgatcaggtc caccttctag aatgtgcctg 1080

gctagagatc ctgatgattg gtctcgtctg gcgctccatg gagcacccag tgaagctact 1140

gtttgctcct aacttgctct tggacaggaa ccagggaaaa tgtgtagagg gcatggtgga 1200

gatcttcgac atgctgctgg ctacatcatc tcggttccgc atgatgaatc tgcagggaga 1260

ggagtttgtg tgcctcaaat ctattatttt gcttaattct ggagtgtaca catttctgtc 1320

cagcaccctg aagtctctgg aagagaagga ccatatccac cgagtcctgg acaagatcac 1380

<210> 5
<211> 2092
<212> DNA
<213> HOMO SAPIENS

<400> 5
gaattccaaa attgtgatgt ttcttgtatt tttgatgaag gagaaatact gtaatgatca 60

ctgtttacac tatgtacact ttaggccagc cctttgtagc gttatacaaa ctgaaagcac 120

accggacccg caggctcccg gggcagggcc ggggccagag ctcgcgtgtc ggcgggacat 180

gcgctgcgtc gcctctaacc tcgggctgtg ctctttttcc aggtggcccg ccggtttctg 240

agccttctgc cctgcgggga cacggtctgc accctgcccg cggccacgga ccatgaccat 300

gaccctccac accaaagcat ctgggatggc cctactgcat cagatccaag ggaacgagct 360

ggagcccctg aaccgtccgc agctcaagat ccccctggag cggcccctgg gcgaggtgta 420

cctggacagc agcaagcccg ccgtgtacaa ctaccccgag ggcgccgcct acgagttcaa 480

cgccgcggcc gccgccaacg cgcaggtcta cggtcagacc ggcctccccc acggccccgg 540

gtctgaggct gcggcgttcg gctccaacgg cctgggggggt ttccccccac tcaacagcgt 600

gtctccgagc ccgctgatgc tactgcaccc gccgccgcag ctgtcgcctt tcctgcagcc 660

ccacggccag caggtgccct actacctgga gaacgagccc agcggctaca cggtgcgcga 720

ggccggcccg ccggcattct acaggccaaa ttcagataat cgacgccagg gtggcagaga 780

aagattggcc agtaccaatg acaagggaag tatggctatg gaatctgcca aggagactcg 840

ctactgtgca gtgtgcaatg actatgcttc aggctaccat tatggagtct ggtcctgtga 900

gggctgcaag gccttcttca agagaagtat tcaaggacat aacgactata tgtgtccagc 960

caccaaccag tgcaccattg ataaaaacag gaggaagagc tgccaggcct gccggctccg 1020

caaatgctac gaagtgggaa tgatgaaagg tgggatacga aaagaccgaa gaggagggag 1080

aatgttgaaa cacaagcgcc agagagatga tggggagggc aggggtgaag tggggtctgc 1140

tggagacatg agagctgcca acctttggcc aagcccgctc atgatcaaac gctctaagaa 1200

gaacagcctg gccttgtccc tgacggccga ccagatggtc agtgccttgt tggatgctga 1260

gccccccata ctctattccg agtatgatcc taccagaccc ttcagtgaag cttcgatgat 1320

gggcttactg accaacctgg cagacaggga gctggttcac atgatcaact gggcgaagag 1380

ggtgccaggc tttgtggatt tgaccctcca tgatcaggtc caccttctag aatgtgcctg 1440

gctagagatc ctgatgattg gtctcgtctg gcgctccatg gagcacccag tgaagctact 1500

gtttgctcct aacttgctct tggacaggaa ccagggaaaa tgtgtagagg gcatggtgga 1560

gatcttcgac atgctgctgg ctacatcatc tcggttccgc atgatgaatc tgcagggaga 1620

ggagtttgtg tgcctcaaat ctattatttt gcttaattct ggagtgtaca catttctgtc 1680

cagcaccctg aagtctctgg aagagaagga ccatatccac cgagtcctgg acaagatcac 1740

agacactttg atccacctga tggccaaggc aggcctgacc ctgcagcagc agcaccagcg 1800

gctggcccag ctcctcctca tcctctccca catcaggcac atgagtaaca aaggcatgga 1860

gcatctgtac agcatgaagt gcaagaacgt ggtgcccctc tatgacctgc tgctggagat 1920

gctggacgcc caccgcctac atgcgcccac tagccgtgga ggggcatccg tggaggagac 1980

ggaccaaagc cacttggcca ctgcgggctc tacttcatcg cattccttgc aaaagtatta 2040

catcacgggg gaggcagagg gtttccctgc cacagtctga gagctccctg gc 2092

<210> 6
<211> 20
<212> RNA
<213> ARTIFICIAL SEQUENCE

<220>
<221> misc_feature
<222> ()..()
<223> SYNTHETIC OLIGONUCLEOTIDE

<400> 6
uauauguguc cagccaccaa 20

<210> 7
<211> 41
<212> RNA
<213> ARTIFICIAL SEQUENCE

<220>
<221> misc_feature
<222> ()..()
<223> SYNTHETIC OLIGONUCLEOTIDE

<400> 7
uugguggcug cugaugaguc cgugaggacg aaacacauau a 41

<210> 8

<211> 10
<212> RNA
<213> ARTIFICIAL SEQUENCE

<220>
<221> misc_feature
<222> ()..()
<223> SYNTHETIC OLIGONUCLEOTIDE

<400> 8
uauauguguc 10

<210> 9
<211> 10
<212> RNA
<213> ARTIFICIAL SEQUENCE

<220>
<221> misc_feature
<222> ()..()
<223> SYNTHETIC OLIGONUCLEOTIDE

<400> 9
cagccaccaa 10

<210> 10
<211> 21
<212> RNA
<213> ARTIFICIAL SEQUENCE

<220>
<221> misc_feature
<222> ()..()
<223> SYNTHETIC OLIGONUCLEOTIDE

<400> 10
uuauggaguc ugguccugug a 21

<210> 11
<211> 42
<212> RNA
<213> ARTIFICIAL SEQUENCE

<220>
<221> misc_feature
<222> ()..()
<223> SYNTHETIC OLIGONUCLEOTIDE

<400> 11
ucacaggacc acugaugagu ccgugaggac gaaacuccau aa 42

<210> 12
<211> 10

<212> RNA
<213> ARTIFICIAL SEQUENCE

<220>
<221> misc_feature
<222> ()..()
<223> SYNTHETIC OLIGONUCLEOTIDE

<400> 12
uuauggaguc 10

<210> 13
<211> 11
<212> RNA
<213> ARTIFICIAL SEQUENCE

<220>
<221> misc_feature
<222> ()..()
<223> SYNTHETIC OLIGONUCLEOTIDE

<400> 13
ugguccugug a 11

<210> 14
<211> 42
<212> RNA
<213> ARTIFICIAL SEQUENCE

<220>
<221> misc_feature
<222> ()..()
<223> SYNTHETIC OLIGONUCLEOTIDE

<400> 14
ucacaggacc acuuaugagu ccgugaggac gaaccuccau aa 42